Q1: Consider a project having 50,000 lines of code which is an embedded software with critical area hence reliability is high. The estimation can be?

**Solution:**

Given,

KLOC = 50K

EAF = 1.5

E= ai (KLOC) bi x EAF

E = (2.8) (50)1.20 x (1.5)

E = 459.21 person-month

(approx. 459 person-month)

D = cb (E) db

D = (2.5) (459.21)0.32

D = 17.77 months

(approx. 18 months)

P = E/D

P = 459.21/17.77

P = 25.83 persons

(approx. 26 persons)